

Title (en)
SCREW/CAP ASSEMBLIES AND THEIR MANUFACTURE

Publication
EP 0358471 B1 19920722 (EN)

Application
EP 89309006 A 19890906

Priority
• GB 8821023 A 19880907
• GB 8915638 A 19890707

Abstract (en)
[origin: EP0358471A1] It is known for coloured plastics caps to be pushed by a customer onto heads of metal screws, after the screws have been secured to sheets of coloured cladding or roofing. It is also known for the caps to be moulded around the screw heads by a manufacturer. In the present invention, a screw/cap assembly (10) is formed by sticking an initially separate cap (16) onto the head of a screw (12) by an adhesive, such as an epoxy resin sufficiently strong to allow the screw to be driven while the cap is in place. The intention is that the manufacturer would keep stocks of the caps and stocks of the screws of different types, and only stick chosen caps onto the heads of chosen screws in response to specific orders from customers.

IPC 1-7
F16B 37/14

IPC 8 full level
F16B 1/00 (2006.01); **F16B 37/14** (2006.01); **F16B 11/00** (2006.01); **F16B 25/10** (2006.01); **F16B 33/00** (2006.01)

CPC (source: EP US)
F16B 37/14 (2013.01 - EP US); **F16B 11/006** (2013.01 - EP US); **F16B 25/103** (2013.01 - EP US); **F16B 33/006** (2013.01 - EP US); **F16B 2200/95** (2023.08 - EP US); **Y10S 411/908** (2013.01 - EP US)

Cited by
EP0707155A1; EP0506414A1; FR2898165A1; US5871321A; US11578749B2; WO2021055391A1; WO2014114909A1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0358471 A1 19900314; EP 0358471 B1 19920722; AU 4116889 A 19900315; CA 1311949 C 19921229; DE 68902203 D1 19920827; DE 68902203 T2 19921210; DK 168801 B1 19940613; DK 441189 A 19900308; DK 441189 D0 19890906; ES 2033529 T3 19930316; FI 87946 B 19921130; FI 87946 C 19930310; FI 894229 A0 19890907; FI 894229 A 19900308; IE 63949 B1 19950628; IE 892859 L 19900307; NO 174220 B 19931220; NO 174220 C 19940330; NO 893580 D0 19890906; NO 893580 L 19900308; US 4948319 A 19900814

DOCDB simple family (application)
EP 89309006 A 19890906; AU 4116889 A 19890907; CA 610269 A 19890905; DE 68902203 T 19890906; DK 441189 A 19890906; ES 89309006 T 19890906; FI 894229 A 19890907; IE 285989 A 19890906; NO 893580 A 19890906; US 40395989 A 19890907